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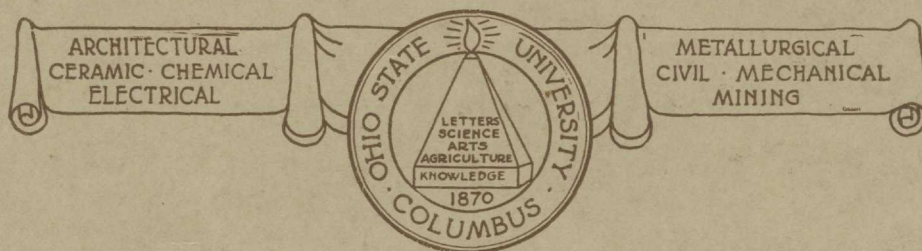
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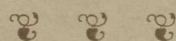
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The Low Lake Levels

By William M. Faber, '28

Student Survival

By Paul Crouch '27

Oil Electric Transportation

By R. Tom Sawyer, '23

Aerial Surveying

By Walter H. Schotts, '27

MAY - 1926

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Photograph by courtesy of Captain R. R. Belknap, U. S. N.

Fighting Submarines with Elevators

When the American people answered "War" in 1917, no matter was of more importance than the readjustment of the great industries to the conditions of war, and no contribution to national defense was more exacting than that of the Otis Elevator Company.

It was a long way from the ordinary operations of business buildings throughout the country to the North Sea in war time, yet strangely enough Otis automatic leveling or micro-drive elevators proved one of the most valuable innovations in connection with naval warfare.

Up to the time the American Navy became a factor in the World War, it had been impossible to lay, in the North Sea, the contemplated mine barrage, which it was hoped could be used to prevent submarines from skirting the north end of the British Isles. This had been impossible, because the time required to get the mines overboard prevented successful results. The Otis Elevator Company cooperated with the American

Navy and provided automatic leveling elevators for the delivery of the mines from the hold of the mine layers to the main deck, where they could be put overboard at such frequent intervals as to make the laying of the barrage a success.

In an article published several years ago, Captain Belknap, U.S.N., who was in command of the mine laying squadron at the time, stated that in the nine months or more of operation, in which sixty thousand mines were handled in and out, as well as many more in the course of drills, there was only one occasion in which any one of the thirty-two elevators was shut down. This was the fault of the operator, not the elevator, in that it was run too far up and jammed there for a few hours, but without causing any delay in the mine laying operation.

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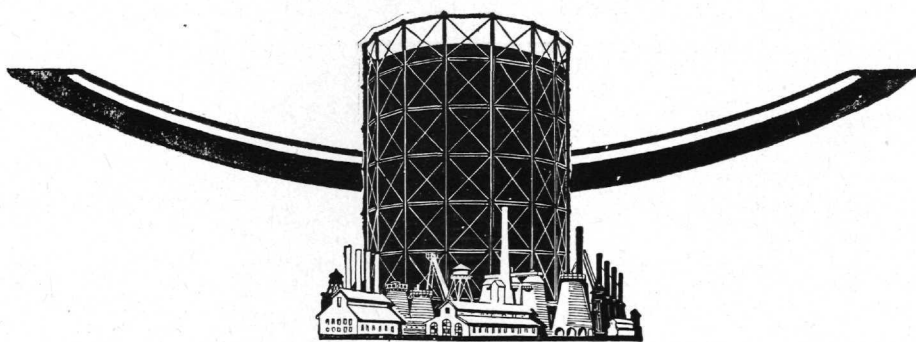
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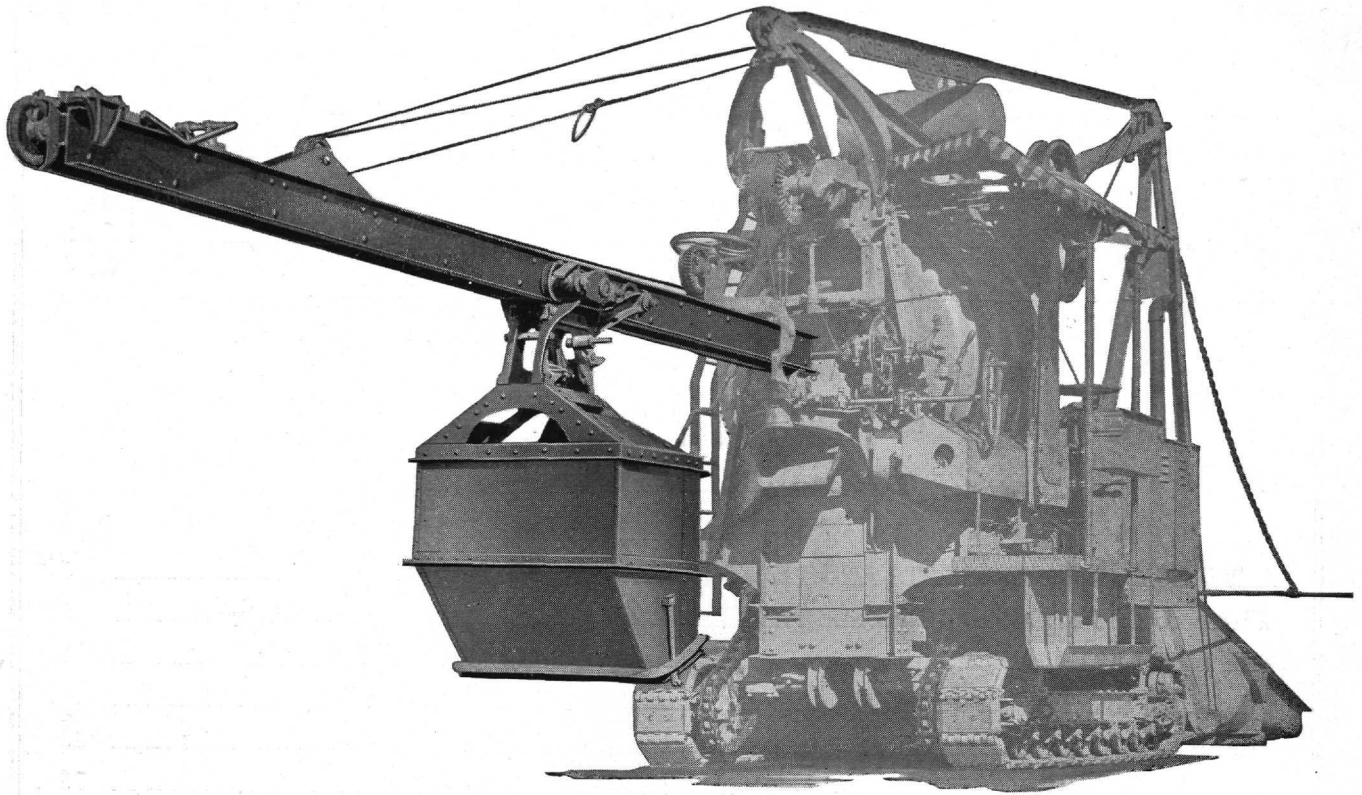
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